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(11) **EP 1 370 030 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.01.2004 Bulletin 2004/01

(51) Int Cl.7: **G01R 31/02, H04L 12/26**

(43) Date of publication A2:
10.12.2003 Bulletin 2003/50

(21) Application number: **03253311.9**

(22) Date of filing: **27.05.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

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(30) Priority: **04.06.2002 US 164918**

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(54) **Method of and apparatus for simultaneously providing tone and intermittent pulses onto a cable in order to identify the cable**

(57) A test device (10) for assisting in locating a cable efficiently provides both tone and link pulses simultaneously to a cable under test. The link pulses are al-

ternated between transmit and receive pairs on the cable. The test device can be applied in a IEEE 802.3 (Ethernet) local area network (LAN).

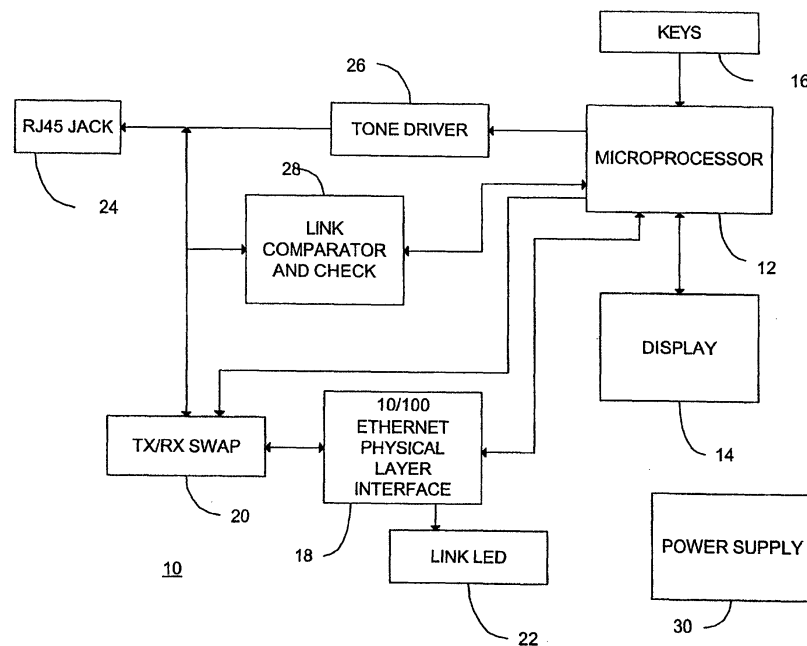


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 3311

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	FLUKE NETWORKS: "LinkRunner Network Multimeter" TECHNICAL DATA, [Online] 30 May 2002 (2002-05-30), pages 1-2, XP002256769 Everett, U.S.A. Retrieved from the Internet: <URL:http://web.archive.org/web/20031006235115/http://www.flukenetworks.com/NR/rdon1yres/epqjwbkanjcctqudsgwxvpsej26lfi3kduipj uuago45fyhhzi3qnbfx66z5av3jjfz75vnmpj54xcm 5v2tbtignuma/1995782_LR_DS_RevA_72.pdf> [retrieved on 2003-10-07]	1,9,17	G01R31/02 H04L12/26
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X	--- BLACK BOX CORPORATION: "NET-Advisor, Net-Advisor-RS, Veri-Net, Veri-Net+, AND Veri-Net PRO" BLACK BOX NETWORK SERVICES, [Online] 14 June 2000 (2000-06-14), pages 1-4, XP002256771 1000 Park Drive, Lawrence, PA 15055-1018 Retrieved from the Internet: <URL:http://www.blackbox.com/faxbacks/2300 0/23616.PDF> [retrieved on 2003-10-07]	1,9,17	
Y	* page 2; figure 2 *	2-4,8, 10-12,16	
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 October 2003	Examiner Bertsch, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.02 (P04C01)



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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 3311

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	FLUKE NETWORKS: "LinkRunner Network Multimeter" QUICK REFERENCE GUIDE, [Online] March 2002 (2002-03), pages 1-2, XP002256770 Retrieved from the Internet: <URL:http://web.archive.org/web/20031007000952/http://flukenetworks.com/NR/rdonlyres/eh73atksigk2jezmz4si7fudghas3jpg7nxhakfbfjxnokphtszlkvux5fwd6gwnxc52niatefo33ftyzaxcxpo6bqh/Man_QuickRef_r0_LinkRunner_eng.pdf> [retrieved on 2003-10-07] * page 1, column 6 * ---	1,9,17	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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MUNICH		17 October 2003	Bertsch, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82